

ENGINEER, WATER RESOURCES

\$4,279 – 7,617

Under the direction of the Supervising Hydraulic Engineer, assists in the collection, analysis and production of oral and written reports, evaluations and technical documents and data, and related work as required, in order to accomplish the Colorado River Board's (CRB) mandate to protect California's water and power interests in the Colorado River System.

- As a team member, assists in the collection and analysis of technical hydrologic data on quantity and quality of surface and ground water supplies throughout the Colorado River System in the United States and Mexico, and on the relationship between surface and groundwater supplies, current and proposed irrigation and or municipal domestic developments, and consumptive water use pertaining to the Colorado River System.
- As a team member assists in the collection and analysis of technical hydrologic data in order to ensure accurate actual and projected data and/or associated the water and power resources of the Colorado River System] for use by other staff in the development of plans, procedures and policy to monitor and protect California's water and power rights and interests in the Colorado River System.
- As a team member assists in conducting Colorado River operations studies, and in the production of technical documents on surface and groundwater reservoirs in the Colorado River Basin in order to monitor and document real-time and projected Colorado River water availability measurements for use in developing River and reservoir operations policy.
- As a team member assists in producing studies and evaluations of technical documents and hydraulic engineering data for use by other staff in order to ensure the adequacy and accuracy of legal interpretations regarding the use of water and power resources of the Colorado River for use in court, Federal congressional, Federal, state and legal proceedings.
- Assists in the review and analysis of Environmental Impact Statements and Reports in order to provide an evaluation to appropriate agencies according to relevant state and federal laws and requirements.
- Under direction maintains technical data electronically.
- Under direction, prepares computer generated charts, tables and hydrologic models.

REQUIREMENTS

License: Note that **only** Range D (\$5,633 – 6,844) requires possession of a valid Certificate of Registration as a civil engineer issued by the California State Board of Registration for Professional Engineers

Education: Graduation from a curriculum in civil engineering accredited by the Accreditation Board for Engineering Technology. Registration as a "senior" in such a curriculum will admit an applicant to the competition, but he/she must produce evidence of graduation before he/she will be considered eligible for appointment.)

Or II

Education: Graduation from an engineering curriculum which includes the basic engineering courses normally covered in a standard four-year course, and by qualifying in a written examination covering basic civil engineering. (Registration as a "senior" in such a curriculum will admit an applicant to the qualifying examination, but he/she must produce evidence of graduation before he/she will be considered eligible for appointment.)

FINAL FILE DATE: Until filled.

APPLICATION: All applicants must submit a completed standard state application, form STD 678, (www.spb.ca.gov/Employment/documents/capp.pdf) to:

Colorado River Board
770 Fairmont Ave., Suite 100
Glendale, CA 90026-0325

CONTACT: Marlene Martinez, 818-500-1625 extension 307

ADDITIONAL INFORMATION

MARGINAL FUNCTIONS

Not Applicable

DESIRABLE QUALIFICATIONS

- Tact and leadership
- Consensus builder
- Willingness to assume increasing responsibility

KNOWLEDGE AND ABILITIES

Knowledge of:

- As applied to civil engineering, basic principles of:
Physics
Chemistry
Mathematics
- Surveying
- Hydrology and hydraulics
- Engineering economics
- Computers and computer software
- Use of computers in engineering practice
- Environmental and/or engineering science

Ability to:

- Do simple mapping and drafting manually and make neat and accurate computations and engineering notes
- Use computers
- Prepare clear and concise reports
- Prepare plans and specifications
- Analyze situations accurately and take effective action
- Maintain friendly and cooperative relations with those contacted in the course of work
- Communicate effectively

SPECIAL PERSONAL CHARACTERISTICS

- Ability to work under pressure and meet deadlines
- Ability to work independently and as a team member
- Ability to use good judgment, tact and diplomacy
- Ability to communicate effectively, verbally and in writing, with a variety of individuals from a variety of local, state, federal and other organizations

INTERPERSONAL SKILLS

- Tact and leadership
- Willingness to assume increasing responsibility

WORK ENVIRONMENT, PHYSICAL OR MENTAL ABILITIES

- Professional office environment
- Required effectiveness under stress, including ability to meet deadlines
- Frequent use of personal computer, related software applications and peripherals
- Travel in- and out-of-state, and overnight stay